

ABSTRACT OF THE DISCLOSURE

[0033] A system and method of accessing digital subscriber line data has been disclosed. The system includes a first server having an input to receive a telephone number from a web browser interface and having an output to provide performance analysis data associated with at least one of a plurality of network elements that form a distributed and geographically diverse data communication system; a second server responsive to the first server, the second server including logic to convert telephone numbers to port addresses for network elements of the communication system, the second server having an XML interface to communicate with an application server, the second server responsive to a communication circuit provisioning database and a network discovery and synchronization process; a plurality of regional servers, each of the plurality of regional servers responsive to the second server; and a plurality of network element management systems respectively coupled to each of the plurality of regional servers. Each of the plurality of network element management systems is coupled to at least one network system element, and each of the network system elements supports at least one of the plurality of network elements. The second server includes logic to convert telephone numbers to port addresses for network elements of the communication system.